

Abstract Of The Disclosure

5 A method for manufacturing a layer system, in particular for a sensor element for determining a physical variable of a gas to be measured, preferably for determining the concentration of a gas component or the temperature in an exhaust gas of an internal combustion engine. The layer system is composed of a ceramic carrier and at least one functional layer to which a solvent is added. A barrier layer is deposited on the ceramic carrier and the functional layer is deposited on the barrier layer. The barrier layer prevents the solvent from penetrating the ceramic carrier from the functional layer.